

Claims

1. A fishing line, comprising a core made of at least one multifilament yarn on the basis of synthetic organic fiber materials, and a casing made of small film strips made of polytetrafluoroethylene (PTFE), which have been firmly wound on the core in the S-direction and the C-direction, or vice versa.

2. The fishing line in accordance with claim 1, characterized in that the casing is formed of two small film strips made of PTFE, one of which is wound on the core in the S-direction and one in the Z-direction, and one side of the small film strips has been brought in its entirety into contact with the core, or on top of the other one.

3. The fishing line in accordance with claim 1 or 2, characterized in that the small film strips have been wound on the core with 200 to 400 turns/m.

4. The fishing line in accordance with one of claims 1

to 3, characterized in that small film strips made of PTFE of a width of 1 to 2 mm are used for the core.

5. The fishing line in accordance with one of claims 1 to 4, characterized in that small film strips made of PTFE of 220 to 880 dtex are used.

6. The fishing line in accordance with claim 5, characterized in that small film strips made of PTFE of 330 to 450 dtex are used.

7. The fishing line in accordance with one of claims 1 to 6, characterized in that high-strength multifilament yarns with a linear density breaking resistance of at least 20 cN/dtex are employed for the core.

8. The fishing line in accordance with one of claims 1 to 7, characterized in that high-strength multifilament yarns with an elongation at break of less than 8% are employed for the core.

9. The fishing line in accordance with one of claims 1 to 8, characterized in that the high-strength filaments and filament yarns constituting the core are substantially aligned to extend straight and parallel with each other.

10. The fishing line in accordance with one of claims 1 to 8, characterized in that the high-strength filaments and filament yarns constituting the core are slightly twisted together at 1 to 30 turns/m.

11. The fishing line in accordance with one of claims 1 to 8, characterized in that the high-strength filaments and filament yarns constituting the core are twisted together at more than 30 turns/m, but at most up to 200 turns/m.

12. The fishing line in accordance with one of claims 1 to 11, characterized in that the core is formed from filaments of a different structure in regard to the material and/or shape.

13. The fishing line in accordance with one of claims 1

to 12, characterized in that high-strength filaments/multifilament yarns made of polyethylene of an ultra-high molecular weight (UHMW-PE) of 110 to 1760 dtex and a linear density breaking resistance of at least 20 cN/dtex, in particular at least 25 cN/dtex, and an elongation at break of less than 8%, in particular less than 6%, are used for the core.

14. The fishing line in accordance with one of claims 1 to 13, characterized in that, in addition to the filaments/filament yarns made of synthetic organic fiber materials, the core contains at least one conductive filament or filament yarn on the basis of a thermoplastic material.

15. The fishing line in accordance with claim 14, characterized in that the conductive filament/filament yarn has an electrical resistance of 10^0 to 10^{10} Ohm/cm.

16. The fishing line in accordance with one of claims 14 or 15, characterized in that carbon is applied to the conductive filament/filament by vacuum deposition, or it

contains carbon.

17. The fishing line in accordance with one of claims 14 to 16, characterized in that the core contains 3 to 12 weight-% of conductive filament/filament yarn.

18. The fishing line in accordance with one of claims 14 to 16, characterized in that the conductive filament/filament yarn contains nylon or polyester as the thermoplastic material.

19. The fishing line in accordance with one of claims 14 to 16, characterized in that a conductive filament yarn of 18 to 40 dtex is used.

20. The fishing line in accordance with one of claims 1 to 2, characterized in that the core has a linear support capacity of at least 35 g/den (31 g/dtex).